

## 8.0 WATER SUPPLY WELLS

### 8.1 Permit Area Vicinity Wells

Within 1 km of the Kingsville Dome Project boundary there are 9 water supply wells from which URI was able to collect 9 samples. Because of age and lack of record keeping, well completion data for these wells is minimal. TDWR Report 173, which contains data for wells in Kleberg County disclosed data on only one well, WW-1. All other information within Table 4 resulted from discussions with the landowner and a review of TDWR records.

Figure 2 discloses the locations of these wells with respect to the permit area boundary. Figure 17 illustrates the local hydraulic gradient in the permit area.

### 8.2 Major Regional Wells

Ten water supply wells are within five miles of the permit area. These include water supply for Kleberg Park, the Kingsville Naval Air Station, the Pan American School, G. R. Dietert Water Service and the City of Ricardo. Table 5 summarizes available information pertinent to these wells.

TABLE 4  
WATER SUPPLY WELLS

<u>Well #</u>	<u>TDWR #</u>	<u>Casing Type</u>	<u>Type Completion</u>	<u>Bottom Depth</u>	<u>Use</u>	<u>Water Level</u>	<u>Owner</u>	<u>Production Method</u>
WW-1	502 ✓	S	Perforated 635-656	656	Domestic	106.0	W. E. Cumberland Rt. 1, Box 412 Kingsville, TX	windmill
WW-2		S	N/A	640	Domestic	N/A	A. M. Cumberland Rt. 1, Box 238 Kingsville, TX	submersible pump
WW-3 ✓		S	N/A	550	Domestic	N/A	Warren Palereio P. O. Box 217 Rivera, TX	submersible pump
WW-4		S	Perforated	700	Domestic	N/A	Stanley Dietz Rt. 1, Box 432 Kingsville, TX	submersible pump
WW-5		S	N/A	656	Domestic	N/A	F. Radford Rt. 1, Box 418 Kingsville, TX	submersible pump
WW-6 ✓		S	N/A	N/A	Domestic	N/A	Mrs. L. L. Radford Rt. 1, Box 418 Kingsville, TX	submersible pump
WW-7		S	N/A	640	Domestic	N/A	Patricia Perez Rt. 1, Box 432 Kingsville, TX	windmill
WW-8		S	N/A	986	Domestic	N/A	J. L. Robertson Rt. 1, Box 424 Kingsville, TX	submersible pump
WW-9		S	Perforated 683-734	734	Domestic	100 <sup>±</sup>	B. W. Bippert Rt. 1, Box 421 Kingsville, TX	windmill

TABLE 5  
MAJOR REGIONAL WELLS

<u>Well #</u>		<u>Type Completion</u>	<u>Casing Depth</u>	<u>Total Depth</u>	<u>Water Level</u>	<u>Distance</u>
107	Kingsville Park	N/A	1074	1074	N/A	5 miles
201	Naval Air Station	screen - 89 ft.	791	791	158' (1960)	5 miles
202	Naval Air Station	screen - 205 ft.	795	795	165 (1960)	5 miles
203	Naval Air Station	screen - 225 ft.	725	725	166 (1960)	4½ miles
209	Naval Air Station	screen - 540-670 ft.	675	675	N/A	4½ miles
402	Pan American School	screen - 583-675 ft.	625	625	N/A	4½ miles
403	Pan American School	screen - 571-613 ft.	613	613	N/A	4½ miles
404	Pan American School	screen - 587-625 ft.	625	625	N/A	4½ miles
408	G. R. Dietert	N/A	620	620	109 (1968)	3½ miles
410	Ricardo	screen - 600-680 ft.	680	680	140 (1965)	4 miles

TABLE I  
ARTIFICIAL PENETRATIONS IN AREA OF REVIEW

<u>URI #</u>	<u>Company #</u>	<u>Well Type</u>	<u>Status</u>	<u>Depth</u>	<u>Perforation</u>	<u>Other</u>
W-1	Arrington & Nichols #1	Wildcat	P + A	2513	N/A	surface casing to 214
W-2	Pickens #2	Wildcat	P + A	7885	N/A	surface casing to 1098
W-3	Glasscock #1	Wildcat	P + A	7565	N/A	surface casing to 1301
W-4	Viking - Century #1	Gas	P + A	8400	N/A	surface casing to 1074
W-5	Century #1	Wildcat	P + A	7393	N/A	surface casing to 1062
W-6	NPUMP #1	Wildcat	P + A	8165	N/A	surface casing to 1025
W-7	Coastal A-2	Oil	Producing	3515	1464-1471	surface casing to 1264
W-8	Coastal #3	Oil	P + A	3350	N/A	surface casing to 1002
W-9	Coastal #4	Wildcat	P + A	938	N/A	surface casing to 319
W-10	Coastal #5	Oil	P + A	2500	N/A	surface casing to 1119
W-11	Coastal #1	Gas	P + A	8519	N/A	surface casing to 1540
W-12	Coastal #2	Oil	Producing	2918	2340-2347	surface casing to 299
W-13	Coastal #1	Gas	Producing	2912	2400-2407	surface casing to 370
W-14	Coastal #2	Oil	Producing	2913	2899-2904	surface casing to 370
W-15	Davis #1	Wildcat	P + A	8000	N/A	surface casing to 1500
W-16	Harwood #1	Wildcat	P + A	8720	N/A	surface casing to 1589
W-17	Bartlett	Wildcat	P + A	9818	N/A	surface casing to 2022
W-18	Sun Oil #1	Wildcat		3010	N/A	
WW-2	A. M. Cumberland	Waterwell	Producing	640		steel casing
WW-4	Stanley Dietz	Waterwell	Producing	700		steel casing
WW-5	R. Radford	Waterwell	Producing	656		steel casing
WW-7	P. Perez	Waterwell	Producing	640		steel casing
WW-8	J. L. Robertson	Waterwell	Producing	986		steel casing
WW-9	B. W. Bippert	Waterwell	Producing	734	683-734	steel casing